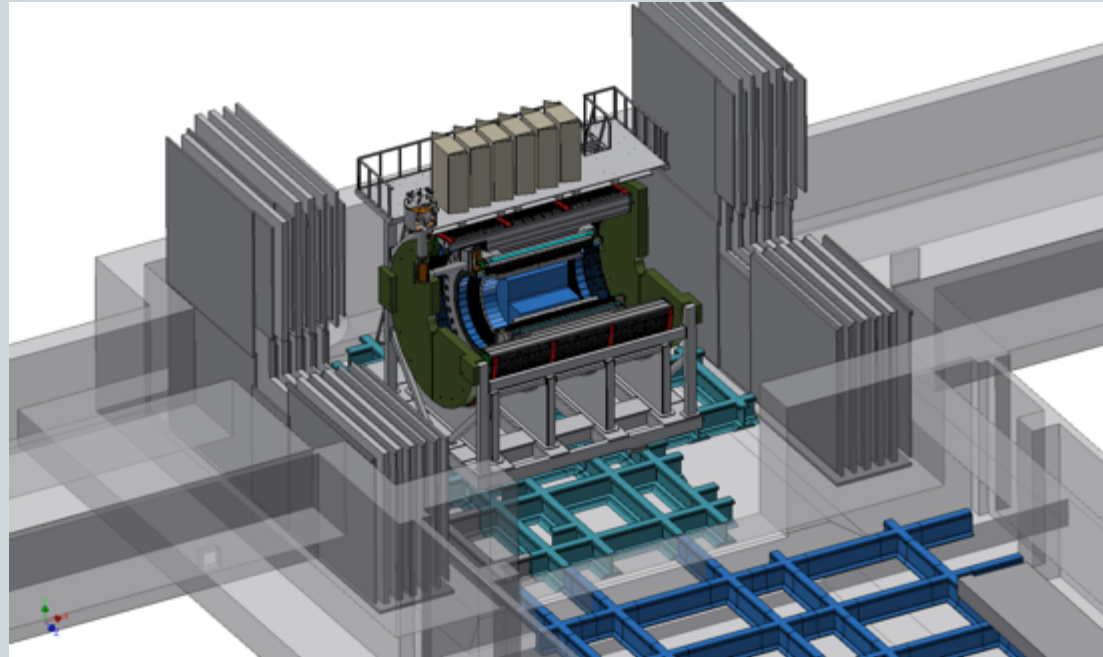


# sPHENIX Bi-Weekly Engineering Meeting

1

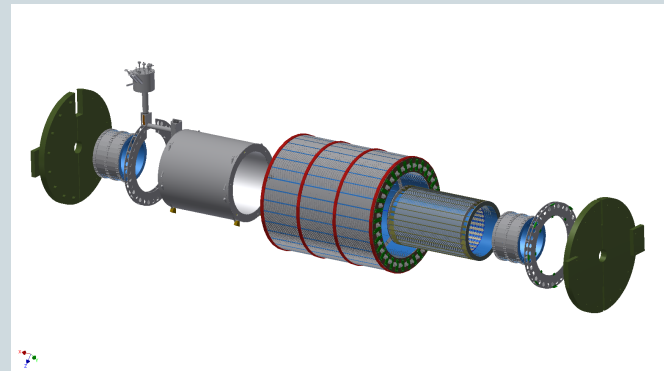


April 23, 2015

# AGENDA

2

- sPHENIX Magnet Update
- sPHENIX Director's Review today
- DOE sPHENIX Science Review next week
- Project Update
- HCal Prototype Design
- Inner HCal Analyses

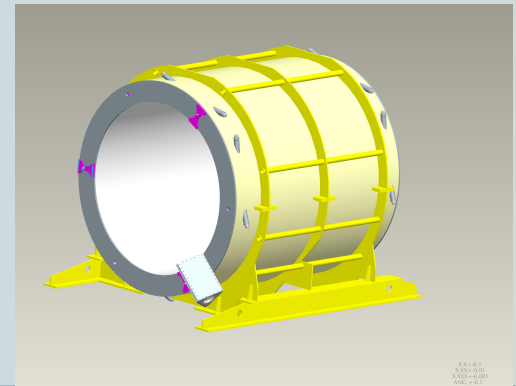


# sPHENIX Magnet Update

3

## ● Meeting yesterday:

- draft plan for the low current (100 A) test for the sPHENIX magnet in Bldg. 912.
- need to make all the connections and test that they work.
- Roberto Than's cryogenic group and Paul Giannotti are sorting this out.
- Piyush Josh's data acquisition system would read out from various inputs/sensors.
- Need to divide up the responsibilities for various monitoring .
- Want to measure the magnetic field during the 100 A test. Achim Franz will be responsible for this and will sort out how the field measurements will be read out.
- PCSS (Pressure & Cryogenic Safety Subcommittee) review will be scheduled for mid-May. Roberto will handle pressure and cryogenics; M. Anerella will handle mechanical design presentations.
- low-current and high-current test schedules to be finalized soon. Updated cost estimates for both are needed
- Roberto's cryogenic group and the people in SMD have begun working on the junction box/valve box



# Project Documentation

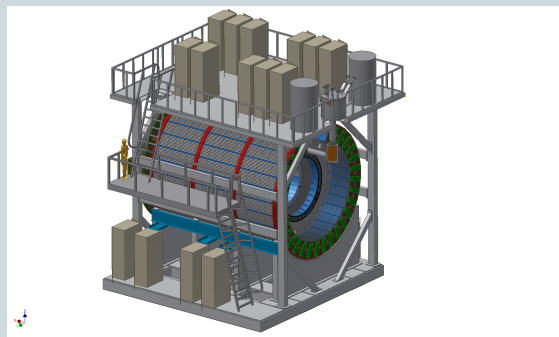
4

- **Uncontrolled Documentation**
  - John H. has set up a wiki. This will provide info about and links to all relevant sPHENIX documentation. This will require an account and password to access, but will be accessible from anywhere.
- **Controlled Documentation**
  - Documents with revision control - all sPHENIX related documents(including documents created by CAD, SMD, external vendors and non- BNL callaborators):
    - ✦ Drawings
    - ✦ Procedures
    - ✦ Specifications
  - Originals to be managed and protected per sPHENIX Configuration Control Procedure. pdf copies of controlled documents will be available to all through the wiki. Editable templates from Originals will be available on request from the sPHENIX Documentation Manager
- Documentation access and control to be implemented ~ by the end of April

# sPHENIX Parameter Control Document

5

- Under development
  - To contain key controlled parameters for all sPHENIX subsystems on a single document
  - Sent out to level 2 and 3 managers for review, additions and corrections
  - Expect 1<sup>st</sup> issue ~ by the end of this month
  - Document will be an sPHENIX controlled document

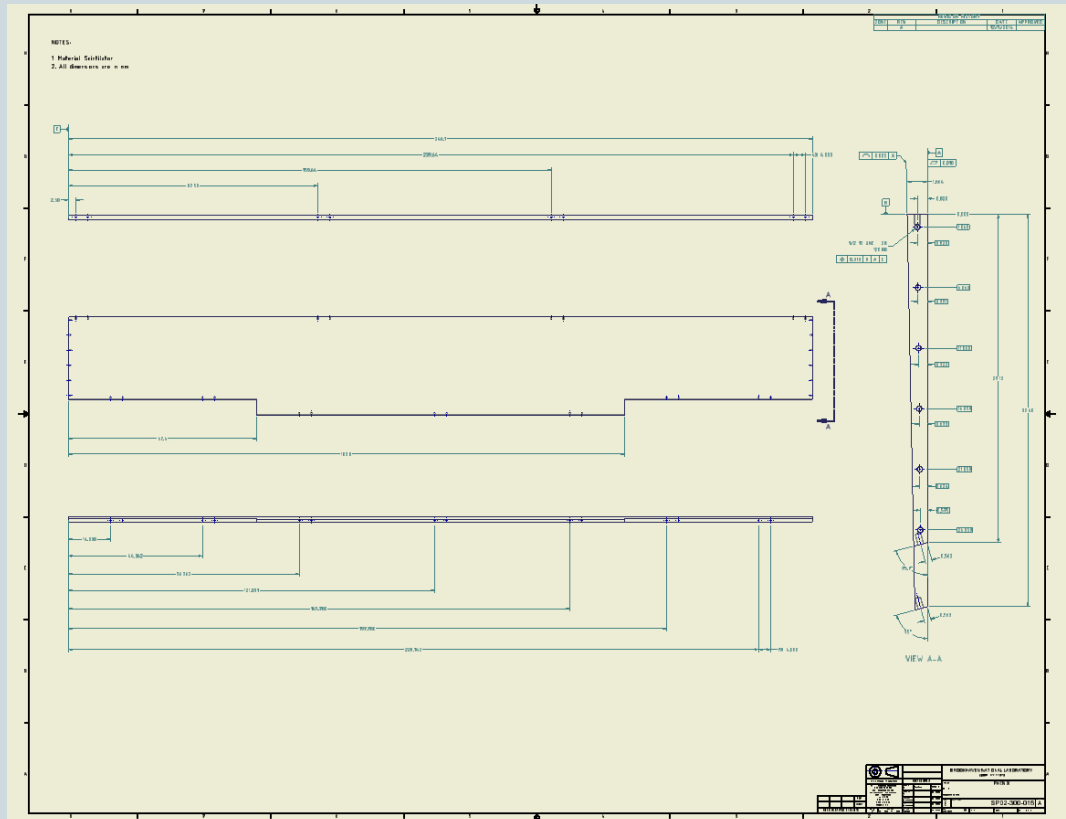


# sPHENIX HCal Prototypes

6

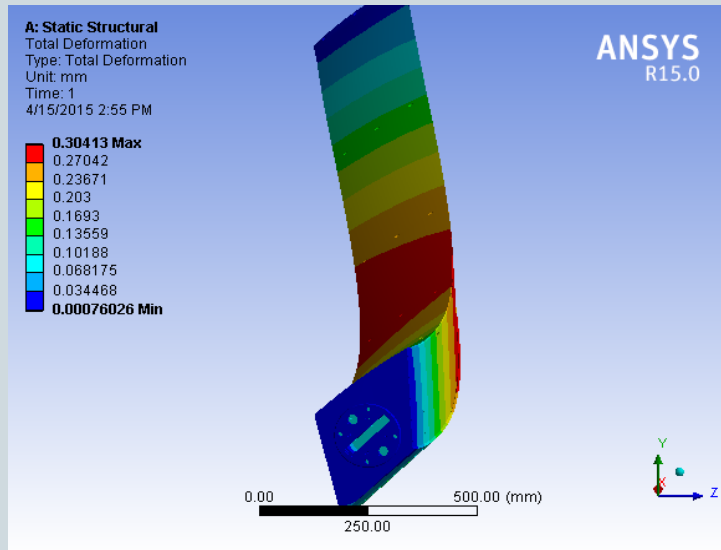
Rich and Chris are currently preparing detail drawings for HCal performance and mechanical prototypes.

*Expect to begin visiting vendors by the beginning of May.*



# HCal Inner Analyses

7



Anatoli has completed the Inner HCal analyses: *stresses and displacements are manageable*

